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**IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE**

PATENT APPLICATION

Applicant: **Lincoln, et al.**

Case: **SRI/4381**

Serial No.: **09/855,458**

Filed: **May 15, 2001**

Examiner: **Smith, Carolyn L.**

Group Art Unit: **1831**

Title: **MODELING BIOLOGICAL SYSTEMS**

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

CERTIFICATE OF FACSIMILE TRANSMISSION 37 C.F.R. § 1.8	
I hereby certify that this correspondence is being facsimile transmitted to the U.S. Patent and Trademark Office to fax number <u>871-273-8300</u> on the date below.	
May 31, 2007	<i>Kristen Hunter</i>
Date	Signature

S I R:

AFFIDAVIT OF SAM OWRE

I, **Sam Owre**, hereby declare and state that:

- 1 I am a Member of the Technical Staff at SRI International, and I am not one of the inventors of the subject patent application.
2. I have worked in the formal verification technology field for 25 years.
3. I have a Masters degree in Mathematics from the University of California, Los Angeles (UCLA).

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4. I have read the subject patent application, the Final Office Action dated January 31, 2007, Applicants' Response to the Final Office Action dated April 30, 2007 and the Advisory Action dated May 8, 2007.

5. I declare that I, a person skilled in the art of mathematics and, specifically, in the art of set theory, having read the subject patent application identified above, it is my opinion that the term "multiset" is a well understood concept and term of art in set theory, meaning a structure in which each element of the set has a multiplicity. The concept of a multiset is therefore a generalization of a set, a set being a multiset if the multiplicity of each element is 1. For example, multisets such as $\{1,1,2,3\}$ and $\{1,2,3\}$ are different multisets, as the number of times an element (e.g., "1") appears in the multiset is different. More specifically, I have read page 1 (\S 0014) of the published version of the subject patent application (US 2003/0033126 A1) and currently pending claim 96, and it is my opinion that the term "multiset" as used in the present application has the meaning as one skilled in the art would understand based on the well-understood term "multiset."

6. The undersigned, Sam Owre, hereby declares that all statements made herein of my own knowledge are true and that these statements made on information and belief are believed to be true; and further that these statements were made with knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent resulting therefrom.

Date: May 31, 2007



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